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- (71) Applicant (for all designated States except US): EMBL [DE/DE]; Meyerhofstrasse 1, 69117 Heidelberg (DE).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): CONTI, Elena [IT/DE]; Panoramastr. 20, 69126 Heidelberg (DE). BAYLISS, Richard [GB/GB]; 54 Finchley Lane, NW41DJ London (GB). SCHULTZ, Carsten [DE/DE]; Fischergasse 6, 69117 Heidelberg (DE). VERNOS, Isabelle [ES/DE]; Zaehringstr. 1, 69115 Heidelberg (DE). SARDON, Teresa [ES/DE]; Sofienstr. 23, 69115 Heidelberg (DE).
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(54) Title: CRYSTALS OF AN AURORA-A TPX2 COMPLEX, TPX2 BINDING SITE OF AURORA-A, AURORA-A LIGANDS AND THEIR USE

(57) Abstract: The present invention relates to crystals of phosphorylated Aurora-A kinase fragment alone and in complex with a ligand, amino acid residues 1-43 of human TPX2. This invention also relates to methods for designing and selecting ligands, in particular allosteric inhibitors of Aurora-A, that bind to the Aurora-A kinase and their use. Further, the present invention relates to certain indene and indole derivatives. The present invention relates to crystals of phosphorylated Aurora-A kinase alone and in complex with a ligand, amino acid residues 1-43 of human TPX2. This invention also relates to methods for designing and selecting ligands that bind to the Aurora-A kinase and their use. Further, the present invention relates to certain indene and indole derivative.



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